

# *Wisconsin Department of Justice*

## *Public Safety Wireless Broadband*



July 8, 2014





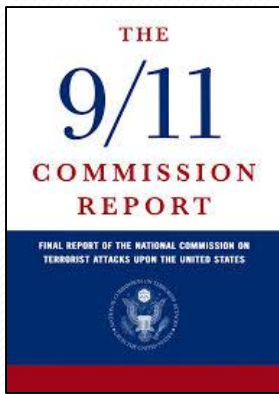
# First Responder Network Authority

*FirstNet's Mission is to develop, build, and operate the country's first nationwide broadband network dedicated to public safety.*

# The Proposed Solution

- Create a next generation nationwide public safety wireless network.
- Use 4G/LTE cellular technology.
- Leverage existing commercial and public safety equipment for economies of scale.
- Provide high data rates.

# Origins



- 2004 - Allocate more radio spectrum and improve connectivity for public safety communications.”
- 2009 - Congress directed the FCC to create a plan: *Goal 5: Every first responder should have access to a nationwide, wireless, interoperable broadband public safety network.*



# Origins

- Middle Class Tax Relief and Job Creation Act of 2012
  - TITLE VI – Public Safety Communications and Electromagnetic Spectrum Auctions.
- Key Points
  - The 700 MHz “D Block” spectrum was reallocated to public safety.
  - Adjacent to existing 5+5 MHz public safety spectrum.
  - Created FirstNet, an independent authority, in the Department of Commerce, NTIA.

# Key Points, continued

- Provided \$2B startup funding and up to \$7B for network construction.
- Provided for planning grants to states & territories.
- A Public Safety Advisory Committee is established.
- Requires that FirstNet consult with State, Tribal, Local jurisdictions.
- Consultation will occur via the state-designated body/single point-of-contact (SPOC).
- Directed NTIA to establish the planning grant program (SLIGP).

# The FirstNet Business Model

- Break even and build a self-sustaining network.
  - Fee for service.
  - Leverage the value of the spectrum.
  - Reflect the value of contributed assets and partnerships.

***FirstNet intends to offer public safety grade services at a cost that's compelling to users.***

# Broadband Potential for Public Safety

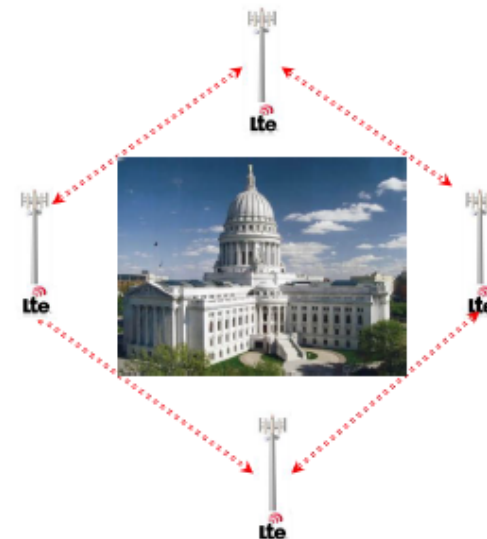
## The Broadband Promise

### *Potential for Public Safety Response*

**Public Safety needs technology similar to commercial networks to enable advanced applications, improving response capabilities**

- Fire Department downloads building plans to hand held devices (Data)
- Police helicopter provides video downlink to Incident Commander (Video)
- EMS transmits patient information (including video) to hospitals (Data / Video)
- Incident COML establishes interoperable talkgroups for State and local responders (Voice)
- Responders utilize specialized applications specific to their individual responsibilities (Public Safety Apps)
- Responders arrive from surrounding jurisdictions and are seamlessly integrated (Roaming)
- Network continues to work even as cellular is overwhelmed by civilian traffic (Public Safety grade network)

### Response to a Public Safety Emergency







# FirstNet Exists to Serve Public Safety

- FirstNet will be a nationwide platform; public safety sets rules locally.
- Public safety will maintain local management.
- FirstNet has substantial opportunities to partner to lower construction and operating costs.

# FirstNet Exists to Serve Public Safety

- Fees from FirstNet must, by law, be reinvested to build, operate, maintain and improve the network.
- FirstNet will augment land mobile radio (LMR) for many years.
- FirstNet is in the research and analysis phase, must have input from states and territories to design the network.

# FirstNet Pilot Projects

- Five pilot projects have spectrum lease agreements.
- Each project has specific learning objectives assigned.
  - Adams County, Colorado
  - State of New Jersey
  - Los Angeles Regional Interoperability Communications Systems (LA-RICS)
  - State of New Mexico
  - State of Texas (Harris County)

# FirstNet and Wisconsin

- In 2012 Governor Walker identified the Interoperability Council (IC) as the coordinator of the FirstNet project.
- Statewide Interoperability Coordinator (SWIC) serves as the state's point of contact.
- IC established the Public Safety Wireless Broadband Workgroup (Policy Statement #5).

# Public Safety Wireless Broadband Workgroup

- Composed of communications professionals, public safety representatives, interested parties.
- Has lacked direction from FirstNet until recently.
- Will develop recommendations to the Interoperability Council related to the National Public Safety Broadband Project.

# SLIGP Phase 1 Activities

- Establish, Modify or Enhance Governance
- Hire Staff/Contractors
- Facilitation Team Training
- Conduct Education/Outreach
- Identify Public Safety Users/Networks
- Identify Other Networks
- Develop MOA/Contract Language

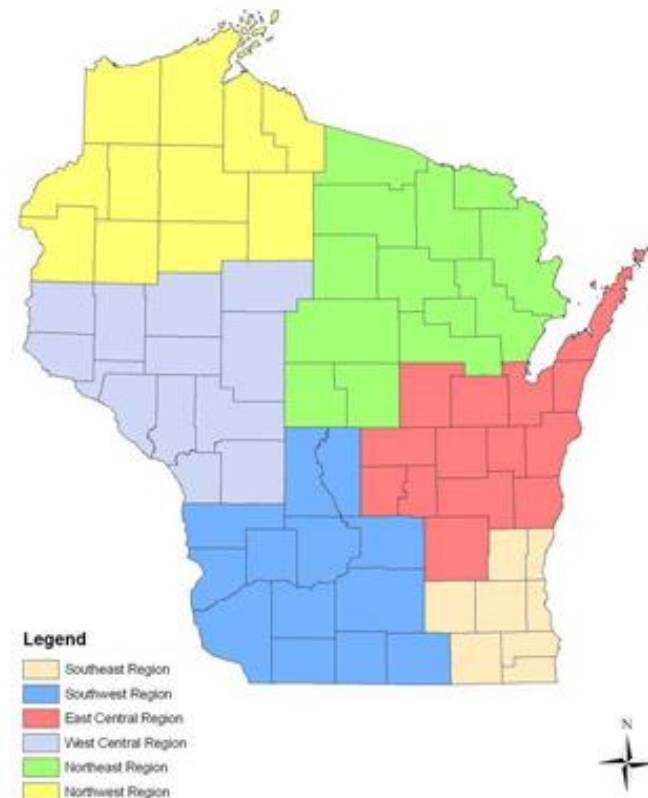
# SLIGP Phase 2 Activities

- Continuation of Phase 1 Activities
- Prioritizing Users and Build out
- Identify Coverage Areas
- Tower Placement
- Data Collection

# Wisconsin's Facilitation Team

- SWIC/SPOC
  - Tim Pierce
- Regional Coordinators
  - Jeff Stauber, EC
  - Andy Faust, NE
  - Tad Matheson, NW
  - Rick Lange, SW
  - Eric Anderson & Dave Bonifas, WC
- Broadband Planner
  - Terek Taillon

Regional SCIP Implementation Councils  
County Membership





# Program Contact Information

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